

Materials List for:

Channelrhodopsin2 Mediated Stimulation of Synaptic Potentials at *Drosophila* Neuromuscular Junctions

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URL: <https://www.jove.com/video/1133>

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Materials

Name	Company	Catalog Number	Comments
Sylgard	Ellsworth Adhesives	4019862	www.ellsworth.com
Minutens Pins	Fine Science Tools	26002-10	www.finescience.com
Dissecting Dish	Fisher Scientific		www.fishersci.com
Neuroprobe Intracellular Amplifier and Head Stage	A-M Systems	680100	www.a-msystems.com
Powerlab 4/30 data acquisition system	 ADInstruments		www.adinstruments.com
Grass stimulator	Grass Technologies		www.grasstechnologies.com
Desktop Computer	Dell		www.dell.com
Dissecting Scope	Leica Microsystems		www.leica-microsystems.com
Light Source	Dolan-Jenner Industries	41446-062	www.dolan-jenner.com
Fly Media			
All-Trans-Retinal	Sigma-Aldrich	116-31-4	www.sigmaaldrich.com
<i>OK-371 Gal4</i> Flies	Bloomington Stock center		
<i>UAS-ChR2</i> Flies	Fiala lab, Griffith lab		
LED controller circuit	Built in Griffith lab		http://www.ledsupply.com http://www.futureelectronics.com Composed of: 1. 200 mA Buck Puck 2. Blue LED 3. Insulated wire 4. Circuit bread board
LED Heat Sink	Thorlabs Inc.		http://www.thorlabs.com/
Air Table	TMC		http://www.techmfg.com/products/accessories/intro3.html
Faraday Cage	Built in Griffith lab		
Leica Leitz M Micro-Manipulator	Leica Microsystems	ACS01	www.leica-microsystems.com
Electrode Holder	Axon Instruments		www.axon.com
Borosilicate Glass	FHC, Inc.		www.fh-co.com/p14-15.pdf
Electrode Puller	Sutter Instrument Co.		www.sutter.com
HL 3.1 Saline with 0.8mM Ca ²⁺			Contents (mM): NaCl:70 KCl:5 CaCl ₂ : 0.8 MgCl ₂ :4Sucrose:115 NaHCO ₃ : 10 Trehalose: 5 HEPES
Micro-Dissection Tools	Fine Science Tools		www.finescience.com